



DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
2000 NAVY PENTAGON  
WASHINGTON, DC 20350-2000

IN REPLY REFER TO

OPNAV INSTRUCTION 3120.35J  
N863C  
27 JUNE 2000

OPNAV INSTRUCTION 3120.35J

From: Chief of Naval Operations

Subj: REQUIREMENTS FOR AIR CAPABLE, AMPHIBIOUS ASSAULT, AND MINE  
COUNTERMEASURES SHIPS TO OPERATE AIRCRAFT

Ref: (a) OPNAVINST 3120.28B (NOTAL)  
(b) NAVAIRINST 3120.1C (NOTAL)  
(c) Air Capable Ship Aviation Facilities Bulletin,  
No. 1H (NOTAL)  
(d) Amphibious Assault Ship Aviation Facilities Bulletin,  
No. 1A (NOTAL)  
(e) NAWCADLKE-CRD-48J400-0001, Mine Countermeasure Support  
Ship, Certification Requirements Document (NOTAL)

Encl: (1) Aviation Operational Requirements for Air Capable Ships  
(2) Aviation Operational Requirements For LHA, LHD and MCS  
Ships

1. **Purpose.** To define the level, class, and type aviation facilities requirements for air capable, amphibious assault, and mine countermeasure ships to operate specified aircraft. This instruction has been revised in its entirety to incorporate the V22, SH-60R and CH60S aircraft, and reflect changes in air capable ships.

2. **Cancellation.** OPNAV Instruction 3120.35H

3. **Discussion**

a. The aviation facilities requirements updated by this instruction cover the full spectrum of aviation operations from the launch and recovery to personnel and stores transfer. To ensure safe aircraft operations, all afloat aviation facilities are to be certified.

b. The variety of ship configurations that occur as a result of the unique mission requirements complicates the problem of certification standardization in the fleet. Reference (a) establishes the requirements for formalized ship certification, which ensures the maintenance of proper standards for afloat aviation facilities and defines the basis of the certification program. Reference (b) outlines responsibilities for certification and inspection of aviation facilities in naval ships operating aircraft. Reference (c) defines the minimum standards for safe aircraft operation and defines the levels, classes, and types of facility requirements categorized in enclosure (1) for air capable ships. References (d) and (e) define the minimum standards for safe aircraft operations and defines the  
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levels and classes categorized in enclosure (2) for amphibious assault and mine countermeasure ships, respectively.

c. The certification of an afloat aviation facility does not constitute an authorization to conduct air operations. Authorization to operate aircraft aboard ships is the responsibility of the fleet commanders or Commander, Military Sealift Command, as applicable.

4. **Action.** All air capable, amphibious assault, and mine countermeasure ships shall be certified in accordance with reference (a) to operate with the specified aircraft according to the levels and classes, and types of aviation facilities defined in enclosures (1) and (2).

DAVID M. STONE  
Rear Admiral, U. S. Navy  
Deputy Director, Surface Warfare

Distribution:

SNDL B5 (U.S. Coast Guard)  
21A (Fleet Commander in Chief)  
41A (Military Sealift Command)  
FKA1A (COMNAVAIRSYSCOM)  
FKA1G (COMNAVSEASYSYSCOM)

OPNAV (N85, N86, N88)

Copy to:

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23 (Force Commanders)  
24 (Type Commanders)  
26 (Special Commands, Groups, and Units)  
28 (Squadron and Group Commanders-Ships)  
29 (Warships)  
30 (Mine Warfare Ships)  
31 (Amphibious Warfare Ship)  
32 (Auxiliary Ships)  
36 (Service Craft)  
42 (Aviation)  
50A (Unified Commands)  
C84 (COMNAVSEASYSYSCOM Shore Based Detachments)

AVIATION OPERATIONAL REQUIREMENTS FOR AIR CAPABLE SHIPS

<div>LEVEL I - DAY AND NIGHT OPERATIONS, INSTRUMENT METEOROLOGICAL CONDITIONS</div> <div>LEVEL II - DAY AND NIGHT OPERATIONS, VISUAL METEOROLOGICAL CONDITIONS</div> <div>LEVEL III - DAY ONLY OPERATIONS, VISUAL METEOROLOGICAL CONDITIONS</div> <div>CLASS 1 - LANDING AREA WITH SUPPORT (SERVICE AND MAINTENANCE) FACILITIES</div> <div>CLASS 2 - LANDING AREA WITH SERVICE FACILITIES BUT WITHOUT MAINTENANCE FACILITIES</div> <div>CLASS 2A - LANDING AREA WITH LIMITED SERVICE FACILITIES BUT WITHOUT MAINTENANCE FACILITIES</div> <div>CLASS 3 - LANDING AREA WITHOUT SUPPORT FACILITIES</div> <div>CLASS 4 - VERTREP/EXTERNAL LIFT AREA (HOVER IN EXCESS OF 5 FEET)</div> <div>CLASS 5 - VERTREP/EXTERNAL LIFT AREA (HOVER IN EXCESS OF 15 FEET)</div> <div>CLASS 6 - HIFR FACILITY CAPABLE OF AT LEAST 50 GPM AT 20 PSI TO 40 FEET ABOVE WATER</div> <div>CLASS 6R - HIFR FACILITY CAPABLE OF ONLY 25-49 GPM AT 20 PSI TO 40 FEET ABOVE WATER</div> <div>TYPE 1 - MINIMUM CLASS 4 OR 5 AREA THAT REQUIRES PICKUP AND DELIVERY ON THE LINEUP LINE</div> <div>TYPE 2 - CLASS 4 OR 5 AREA WITH A SINGLE TEE LINE MARKED ON THE DECK</div> <div>SPECIAL TYPE 2 (SP2) - SAME AS TYPE 2, BUT WITH TEE AND TEE BALL LINES MARKED ON THE DECK</div> <div>TYPE 3 - SAME AS TYPE 2, BUT WITH TWO TEE LINES ON THE DECK</div>		L E V E L	C L A S S	T Y P E	U.S. NAVY, MARINE CORPS, COAST GUARD, ARMY AND AIR FORCE AIRCRAFT (SEE NOTE 1)																									
					USN/USMC														USA						USAF					
					H 1	H 2	H 3	H 4 6	H 5 3	H 5 3 E	V 2 2	H 6 0 A	H 6 0 B/R	H 6 0 F	H 6 0 H	H 6 0 S	H 6 5 J	H 1	H 6	H 4 7	H 5 8	H 6 0	H 6 4	H 1	H 5 3	H 6 0	V 2			
																												USN	USN/USMC	
					SEE NOTES -->																									
					AGF 3	I	1			X																				
							2		X	X		X	X	X			X	X	X			X	X							
							2A								X	X				X			X	X	X	X	X	X	X	
							4	SP2	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X	X	
					AGF 11 (SEE NOTE 5)	I	1			X																				
2		X	X				X	X	X	X		X	X	X	X	X	X													
2A										X							X	X	X	X	X	X	X	X						
4	2	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X		X		X	X	X	X					
AOE 1 CLASS	I	1				X																								
		2		X	X	X										X														
		2A						6	6	6	X	X	X	X	X	X					X	6	X	6						
		4	SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X	X	X					
AOE 6 CLASS	I	1				X																								
		2		X	X	X		X	X			X	X	X	X	X	X													
		2A								X	X								X	X	X	X	X	X						
		4	SP2	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X	X						
ARS 50 CLASS	III	4	1	X	X											X														
		5	1			X	X					X	X	X	X	X		X				X								
AS 39 CLASS	III	4	2	X	X	X	X					X	X	X	X	X	X	X		X		X								
		5	2					X	X	X												X		X						

AVIATION OPERATIONAL REQUIREMENTS FOR AIR CAPABLE SHIPS (CONTINUED)

AIR CAPABLE SHIPS/CLASSES		L E V E L	C L A S S	T Y P E	USN/USMC										USCG		USA						USAF					
					H 1	H 2	USN/USMC				USMC		USN				H 1	H 6	H 4 7	H 5 8	H 6 0	H 6 4	H 1	H 5 3	H 6 0	V 2 2		
							H 3	H 4 6	H 5 3	H 5 3 E	V 2 2	H 6 0 A	H 6 0 B/R	H 6 0 F	H 6 0 H	H 6 0 S											H 6 0 J	H 6 5
SEE NOTES -->									2		4	3	3	3	3	3 & 4	3								2	3	4	
CG 47 CLASS	02 LEVEL AFT	I	1			X							7				X	X										
			2		X		X	X					7	X	X		X	X										
			2A																X	X		X			X			
			4	2	X	X	X	X				X	X	X	X	X	X	X	X		X		X		X			
	6			X	X	X	X	X			X	X	X	X	X	X	X				X		X		X			
	MAIN DK AFT	I	5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X		X	X	X	X	
01 LEV FWD	III	4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X		X	X	X	X		
DD 963 CLASS	02 LEVEL AFT	I	1			X	X						X															
			2		X			X						X	X		X	X										
			2A												X	X				X	X		X					
			4	2	X	X	X	X				X	X	X	X	X	X	X	X			X		X		X		
	6			X	X	X	X	X			X	X	X	X	X	X	X				X		X		X			
	MAIN DK AFT	I	4	1	X	X	X	X	X	X		X	X	X	X	X	X	X	X			X		X	X	X		
MAIN DK AFT	I	5	1							X																X		
CERTIFICATION NOT REQUIRED FOR RAM LAUNCHER EQUIPPED DD 963 CLASS																												
DDG 51 CLASS (51 - 78)	MAIN DECK AFT	I	2A		X	X	X	X					X	X	X		X	X	X	X		X		X				
			4	2	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X		X		X	X	X	
			6			X	X	X	X	X			X	X	X	X	X	X										
	01 LEV FWD	III	4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X		X	X	X	X	
DDG 51 CLASS (79 AND FOLLOW ON)	MAIN DECK AFT	I	1										X															
			2		X	X	X	X						X	X		X	X										
			2A																	X	X		X					
			4	2	X	X	X	X	X	X		X	X	X	X	X	X	X	X			X		X	X	X		
	6			X	X	X	X	X			X	X	X	X	X	X	X					X		X				
	01 LEV FWD	III	4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X		X	X	X	X	
FFG 7 CLASS LAMPS MK I CONFIG	MAIN DECK AFT	I	1			X												X										
			2				X												X									
			2A																		X		X					
			4	SP2	X	X	X	X	X			X	X	X	X	X	X	X	X			X		X	X	X		
	6			X	X	X	X	X			X	X	X	X	X	X	X					X		X				
	MAIN DK FWD	III	5	1	X	X	X	X				X	X	X	X	X	X	X	X			X		X		X		
FFG 7 CLASS LAMPS MK III CONFIG	MAIN DECK AFT	I	1										X															
			2		X	X	X	X						X	X	X	X	X										
			2A										X			X	X			X	X		X		X			
			4	SP2	X	X	X	X	X	X		X	X	X	X	X	X	X	X			X		X	X	X		
	6			X	X	X	X	X			X	X	X	X	X	X	X											
	MAIN DK FWD	III	5	1	X	X	X	X				X	X	X	X	X	X	X	X			X		X		X		
IX 514 (HLT) (SEE NOTE 8)	II	3		X	X	X						X	X	X	X	X	X	X	X	X	X		X		X			
		4	SP2	X	X	X	X	X	X			X	X	X	X	X	X	X	X			X		X	X	X		

AVIATION OPERATIONAL REQUIREMENTS FOR AIR CAPABLE SHIPS (CONTINUED)

AIR CAPABLE SHIPS/CLASSES	L E V E L	C L A S S	T Y P E	USN/USMC																USCG		USA						USAF				
				USN	USN/USMC	USMC	USN																									
				H 1	H 2	H 3	H 4 6	H 5 3	H 5 3 E	V 2 2	H 6 0 A	H 6 0 B/R	H 6 0 F	H 6 0 H	H 6 0 S	H 6 0 J	H 6 5	H 1	H 6	H 4 7	H 5 8	H 6 0	H 6 4	H 1	H 5 3	H 6 0	V 2 2					
								2		4	3	3	3	3	3 & 4	3						3			2	3	4					
SEE NOTES -->																																
LCC 19 CLASS	I	2A		X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LPD 4 CLASS (SEE NOTE 5)	I	1		9			9	9																								
		2		9	X	X	9	9	X	10		X	X	X	X	X	X	X														
		2A									X																					
		4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LPD 17 CLASS (SEE NOTE 5)	I	1		X			X	X	X	X																						
		2			X	X						X	X	X	X	X	X	X														
		2A										X																				
		4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LSD 36 CLASS	II	2A		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LSD 41 CLASS	I	2A		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		4	2	X	X	X	X	X	X	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LST 1179 CLASS	II	2A		X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		4	1	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	III	4	1						12	12																						12
T - ADC(X) CLASS	I	1					X					X	X	X	X																	
		2		X	X	X		X	X	X							X	X														
		2A									X																					
		4	SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
T - AFS 1 CLASS	I	1					X																									
		2		X	X	X												X														
		2A										X	X	X	X	X	X															
		4	SP2	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		5	SP2							13																						13
T - AFS 8 CLASS	I	1					X																									
		2		X	X	X						X	X	X		X	X															
		2A																														
		4	SP2	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
T - AH 19 CLASS	I	2A		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		4	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
T - AK 3000 CLASS	II	3		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		4	2	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		5	2							X																					X	
T - AK 3005 CLASS	II	3		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

AVIATION OPERATIONAL REQUIREMENTS FOR AIR CAPABLE SHIPS (CONTINUED)

AIR CAPABLE SHIPS/CLASSES		L E V E L	C L A S S	T Y P E	USN/USMC		USN/USMC										USCG		USA								USAF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					H 1	USN					USMC					USN					H 1	H 6	H 4 7	H 5 8	H 6 0	H 6 4	H 1	H 5 3	H 6 0	V 2 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
						H 2	H 3	H 4 6	H 5 3	H 5 3 E	H 6 0	H 6 0 B/R	H 6 0 F	H 6 0 H	H 6 0 S	H 6 0 J	H 6 5	H 6 4	H 6 4	H 6 4											H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4	H 6 4

AVIATION OPERATIONAL REQUIREMENTS FOR AIR CAPABLE SHIPS (CONTINUED)

AIR CAPABLE SHIPS/CLASSES	L E V E L	C L A S S	T Y P E	USN/USMC  H 1	USN/USMC												USCG		USA						USAF				
					USN	USN/USMC					USMC		USN																
					H 2	H 3	H 4	H 5	H 5	V 2	H 6	H 6	H 6	H 6	H 6	H 6	H 6	H 1	H 6	H 4	H 5	H 6	H 6	H 1	H 5	H 6	V 2		
							6	3	3	2	0	0	0	0	0	0	0			7	8	0	4			3	0	2	
SEE NOTES -->								2		4	3	B/R	F	H	S	J											2	3	4
WMEC 270 CLASS WITH HANGAR RETRACTED (SEE NOTE 14)	I	1			X												X												
		2		X																									
		2A										X	X	X		X		X	X		X			X					
		4	2	X	X	X				X	X	X	X	X	X	X	X	X		X			X			X			
		6R			X	X	X	X	X			X	X	X	X	X	X	X											

**NOTES:**

1. IN THE AIRCRAFT COLUMNS, AN "X" DENOTES A REQUIREMENT FOR THE LEVEL, AND CLASS, OF OPERATION SPECIFIED; THE NUMBERS 2 AND 3 REFER TO NOTES THAT CLARIFY HELICOPTER DESIGNATIONS; AND NUMBERS 4 AND ABOVE ALSO DENOTE OPERATIONAL REQUIREMENTS AND REFER TO CLARIFYING NOTES; AND THE "SHADED AREAS DENOTES NOT APPLICABLE."
2. H53 APPLIES ONLY TO THOSE MODELS WITH A 72' 3" DIAMETER MAIN ROTOR SYSTEM, AND SPECIFICALLY EXCLUDES H53E HELICOPTERS WHICH HAVE A 79' 0" DIAMETER MAIN ROTOR SYSTEM.
3. H60B/F/H/J HAVE A 15' 6" WHEELBASE; WHEREAS H60A/G/K/S HAVE A 29' 0" WHEELBASE WHICH REQUIRES SIGNIFICANTLY MORE DECK AREA TO ACCOMMODATE THE TAIL WHEEL. IN ADDITION, H60B/F/H ARE THE ONLY AIRCRAFT COMPATIBLE WITH THE SHIPBOARD RECOVERY ASSIST, SECURING, AND TRAVERSING SYSTEM.
4. FLIGHT DECK STRUCTURAL CERTIFICATION IS REQUIRED FOR EACH SHIPS' CLASS; PRIOR TO GRANTING LANDING CERTIFICATION FOR V22 AND CH60S AIRCRAFT.
5. LEVEL III, CLASS 3 OPERATION OF THE USMC AV8 AIRCRAFT IS ALSO REQUIRED ON AGF 11, LPD 4 CLASS, AND LPD 17 CLASS SHIPS.
6. THE AOE 1 CLASS REQUIREMENT FOR CLASS 2A OPERATION OF USN/USMC H53, H53E AND V22 AIRCRAFT, USA H47, AND USAF H53 AND V22 AIRCRAFT APPLY TO THE AOE 4 ONLY.
7. ON CG 47 CLASS SHIPS, CLASS 1 FOR H60B HELICOPTERS APPLIES TO LAMPS MK III (SHIPS WITH RAST) CONFIGURED SHIPS; AND CLASS 2 FOR H60B HELICOPTERS APPLIES TO LAMPS MK III SHIPS CONFIGURED WITH ALTERNATE TRAVERSE SYSTEM (ATS).
8. LEVEL II, CLASS 3 AND 4 OPERATION OF TH57 HELICOPTERS IS ALSO REQUIRED ON THE IX 514 (HLT).
9. ON LPD 4 CLASS SHIPS, THE CLASS 1 REQUIREMENTS FOR H1, H46, AND H53 (EXCEPT H53E) HELICOPTERS APPLY TO LPD 5 THROUGH LPD 15 ONLY. ON THE LPD 4, CLASS 2 (IN LIEU OF CLASS 1) APPLIES FOR THESE HELICOPTERS.
10. ON LPD 4 CLASS SHIPS, THE CLASS 2 AND 2A REQUIREMENTS FOR V22 AIRCRAFT APPLY TO LPD 9 THROUGH LPD 15 ONLY.
11. ON LSD 41 CLASS SHIPS, THE CLASS 4 REQUIREMENTS FOR V22 AIRCRAFT APPLY TO THE AFT VERTREP LINEUP LINE ONLY.
12. ON LST 1179 CLASS SHIPS, THE LEVEL III, CLASS 4 REQUIREMENTS FOR H53E AND V22 AIRCRAFT APPLY TO THE AFT VERTREP LINEUP LINE ONLY.
13. THE T-AFS 1 CLASS REQUIREMENT FOR CLASS 5 OPERATION OF V22 AIRCRAFT APPLY TO THE T-AFS 7 ONLY.
14. USCG CLASS SHIPS AND HULL NUMBERS ARE ASSOCIATED AS FOLLOWS: WAGB 400 CLASS (WAGB 10 - 11); WHEC 378 CLASS (WHEC 715 - 726); WHEC 210 CLASS (WMEC 615 - 630); AND WMEC 270 CLASS (WMEC 901 - 913).

AVIATION OPERATIONAL REQUIREMENTS FOR LHA, LHD, AND MCS SHIPS

AMPHIBIOUS ASSAULT/MINE COUNTERMEASURE SHIP/CLASSES   <div>SEE NOTE --&gt;</div>		LEVEL I - DAY AND NIGHT OPERATIONS, INSTRUMENT METEOROLOGICAL CONDITIONS LEVEL II - DAY AND NIGHT OPERATIONS, VISUAL METEOROLOGICAL CONDITIONS LEVEL III - DAY ONLY OPERATIONS, VISUAL METEOROLOGICAL CONDITIONS CLASS 1 - LANDING/TAKEOFF AND HANGARING WITH FLIGHT/HANGAR DECK SERVICING FACILITIES AND AIRCRAFT MAINTENANCE/WEAPONS SUPPORT CLASS 2 - LANDING/TAKEOFF AND HANGARING WITH FLIGHT/HANGAR DECK WITH SERVICE FACILITIES CLASS 3 - LANDING/TAKEOFF AND LIMITED FLIGHT DECK SERVICING FACILITIES CLASS 4 - VERTREP/EXTERNAL LIFT FACILITIES																											
		U.S NAVY, MARINE CORPS, COAST GUARD, ARMY AND AIR FORCE AIRCRAFT (SEE NOTE 1)																											
		L E V E L	C L A S S	USN/USMC																									
				USMC		USN		USN/USMC				USMC	USN				USCG		USA						USAF				
				A V 8	H 1	H 2	H 3	H 4 6	H 5 3	H 5 3 E	V 2 2	H 6 0 A	H 6 0 B/R	H 6 0 F	H 6 0 H	H 6 0 S	H 6 0 J	H 6 5	H 1	H 6	H 4 7	H 5 8	H 6 0	H 6 4	H 1	H 5 3	H 6 0	V 2 2	
									2																		2		
LHA 1 CLASS (SEE NOTE 3)	I	1	X	X			X	X	X	X																			
		2				X	X					X	X	X	X	X	X								X				
		3										X							X	X	X	X	X	X	X		X	X	
		4			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X		X	X	X		
LHD 1 CLASS (SEE NOTE 3)	III	4			X	X	X	X				X	X	X	X	X	X	X	X	X		X		X		X			
		1	X	X			X	X	X	X																			
		2				X	X						X	X	X	X	X	X								X			
		3										X							X	X	X	X	X	X	X	X	X		
MCS 12 (SEE NOTES 3 & 5)	I	4			X	X	X	X				X	X	X	X	X	X	X	X	X		X		X		X			
		1						X		X																			
		2			X	X	X		X				X	X	X	X	X	X							4				
		3								X	X								X	X	X	X	X	X	X	X	X		
		4			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X		X	X	X		

NOTES:

1. IN THE AIRCRAFT COLUMNS, AN "X" DENOTES A REQUIREMENT FOR THE LEVEL AND CLASS OF OPERATIONS SPECIFIED; THE NUMBER 2 REFERS TO NOTE 2 WHICH CLARIFIES THE H53/H53E HELICOPTER OPERATIONS; AND A "SHADED AREA DENOTES NOT APPLICABLE."

2. H53 APPLIES ONLY TO THOSE MODELS WITH A 72' 3" DIAMETER MAIN ROTOR SYSTEM, AND SPECIFICALLY EXCLUDES H53E HELICOPTERS WHICH HAVE A 79' 0" DIAMETER MAIN ROTOR SYSTEM.

3. THE LEVEL I, CLASS 4 REQUIREMENTS APPLY FORWARD AND AFT OF THE ISLAND ONLY. THE LEVEL III, CLASS 4 REQUIREMENTS APPLY ABEAM THE ISLAND ONLY.

4. CLASS 2 OPERATION, OF THE USAF H53 HELICOPTER IS OPTIONAL ON THE MCS 12, AND WILL REQUIRE ADDITIONAL WHEEL SPOT MARKING TO BE ADDED TO THE DECK EDGE ELEVATOR PLATFORM.

5. FLIGHT DECK STRUCTURAL CERTIFICATION IS REQUIRED FOR MCS 12; PRIOR TO GRANTING LANDING CERTIFICATION FOR V22 AND CH60S AIRCRAFT.

NOTES:

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